Order-No.: DD+DIS048.00E

1 Piece QKJK8 MA1

April 2000

ADC
System Components

Modification Instructions

Please file this document in section 10
of the Technical Documentation ADC Compact

Upgrade from PRID 1.1.02 to PRID 1.1.10
and
Upgrade from PRID 1.1.05 to PRID 1.1.10
and
Upgrade from PRID 1.1.07 to PRID 1.1.10

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1 General Information

1.1 Software Prerequisites:

ADC Compact Digitizer:	≥ COP_1215; (CM+9.5145.1050.2)
ADC Solo Digitizer:	≥ SOL_1108; (CM+9.5155.1050.2)
ADC Compact Processing Station – MIMOSA SW:	≥ VIPS1.0.09

1.2 Main Changes in PRID 1.1.10*

- The column according to which the DICOM worklist should be sorted can be configured now.
- Selecting from patient list, dicom work list and ascii work list with a character key does fully work now.
- Using Service Pack 5 for NT together with Pentium III caused problems in auto-detecting a cassette. This is solved now.
- The window size of the worklist window is kept within a session.
- Communication problems with ID-tablet solved.
- It is configurable now if the RIS system is contacted after every cassette insertion or just after the first time. This is done by means of the RIS settings dialog. Please refer to RIS-User manual for more information
- Called and calling AE_title are configurable now. The called AE_title is configured through the RIS-settings dialog, the calling AE_title is taken from the cpf-file.
- RIS-setting dialog is expanded for an option to select whether the RIS should be called for each cassette in “Study/Link” mode or not.
- Time zone settings from NT / Win95 / Win98 are used. Therefore it has completely been removed from the PRID-software. Thus Daylight Saving Time is handled according to the OS

* For further details see points 3, 4, 5, 6, 7, 8 and 9 of this document.

1.3 Required Time for the Upgrade

Less than 15 minutes.

1.4 Order No.: EB+4406.0730

Scope of delivery of software upgrade kit PRID 1.1.10

- 1 x CD ROM PRID 1.1.10
- 1 x Floppy disk Language files LNG.1.0.05 for PRID ≥ 1.1.05
- 1 x Documentation Upgrade procedure (DD+DIS048.00E)
- 4 x License card For Identification SW, for Preview SW, for RIS-link Toolkit SW, for Auto-routing SW

1.5 Released Options

The following table shows the released options.

OPTION	Released	New in PRID 1.1.10
ADCC ID SW	YES	No
ADCC Preview SW	YES	No
ADCC RIS-Link Toolkit SW	YES	No
ADCC Auto-routing SW	YES	No

2 Upgrade Procedure of PRID 1.1.10

Installation Procedure

No.	Procedure Steps	Display / Comment
1.	• Stop PREVIEW & IDENTIFICATION application if running.	
2.	• Make a backup of the complete current "C:\prid" directory somewhere on the hard disk (just to be sure).	
3.	• Insert CD ROM with PRID 1.1.10. The "Install Wizard" starts automatically. If not, eject and insert the CD ROM once again.	Window `"Welcome"` appears.
4.	• Select **<Next>**	Window *"User Information"* appears.
5.	• Fill in Name and Company and select **<Next>**	
6.	• Enter the new license number for the ADCC Preview SW and / or ADCC ID SW	Window *"Choose Destination Location"* appears.

Edit the license number written on the license card coming with PRID 1.1.10 for the ID-Station SW. The application will not run without that number.

7.	• Select destination folder **C:\prid** and select **<Next>**	Window *"Start copying files"* appears.
8.	• Select **<Next>**	Installation starts. Window *"Setup complete"* appears.
9.	• Select **<Finish>**	A DOS screen appears, before the adc.cpf file will be parsed. `Press any key to continue.` ☞ With WINDOWS 95 close the DOS box manually.
10.	• Press any key to continue.	Window *"Install Java Runtime Environment 1.1.8"* appears.
11.	• Select **<Yes>** to continue.	Window *"Welcome"* appears.
12.	• Select **<Next>**	Window *"Software license agreement"* appears. With WINDOWS 95: if asked to install WINSOCK2, answer **<no>.**

No.	Procedure Steps	Display / Comment
13.	• Select **<Yes>**	Window *"Select components"* appears.
14.	• Check that both components *"Program Files"* and *"I18N"* are clicked on, and then set path to **C:\prid\java** and select **<Next>**	Window *"Question"* might appear.
15.	• Select **<Yes>** to overwrite the contents of this directory.	Window *"Start copying files"* appears.
16.	• Select **<Next>**	Window *"Setup complete"* appears.
17.	• Select **<Finish>**	
18.	• Eject the CD ROM	
19.	• Start the Preview&Identification application.	The first time PRID 1.1.10 starts, you are asked for the site information. Please fill it in or change it if required. This window will not appear any more.
20.	• If the Preview&Identification application works well, delete the backup of the old Preview&Identification software.	

3 Solved Problems from PRID 1.1.07 to PRID 1.1.10

- Selecting from patient list dicom work list and ascii work list with a character key does fully work now.
- Using Service Pack 5 for NT together with Pentium III caused problems in auto-detecting a cassette. This is solved now.
- The window size of the worklist window is kept within a session.
- Communication problems with ID-tablet solved. The default baudrate has been reduced to 57600. However this does not have an noticeable impact on the speed of writing data to chip. It only makes the transmission more stable.
- Called and calling AE_title are configurable now. The called AE_title is configured through the RIS-settings dialog, the calling AE_title is taken from the cpf-file.
- All characters from code page 850 are converted correctly know into Unicode.
- Pressing the key combination ALT+TAB is now interpreted according to the general Windows rules (switch tasks) and not as a normal keystroke anymore.
- The “Please remove cassette” dialog box stays always in front now. Thus it is avoided that it blocks the PRID application if the window is not reachable to close it by a mouse click.
- Selecting a patient record from the History list by means of the mouse is improved now.

4 Solved Problems from PRID 1.1.05 to PRID 1.1.10

If you upgrade from PRID 1.1.02 to PRID 1.1.10, the following problems have been solved in addition to the ones mentioned in point 3.

- Polling for the cassette and writing to the cassette has been changed. The detection of a cassette in the ID – tablet needs now less than half the time it did with PRID 1.1.05. In addition, the writing speed has also been increased.
- It is now possible to use the “CAPS LOCK” key within the application. It is not necessary any longer to restart the Preview&Identification application to get from one mode into the other. In addition, all extended ASCII characters are accepted now (e.g. “\”, “@”).
- Problem in the “Initialization → Read” option solved. When the “Read” button in PRID1.1.02/1.1.05 was used it read out all the initialization data correctly, but as soon as the cassette has been removed, the information jumped back to the default values. This is solved now.
- If a cassette was initialized with “plate type = AGFAHD” on PRID 1.1.02/1.1.05, the field “plate type” in the “INFO” of the Processing Station showed as “plate type” AGFATEST. In PRID 1.1.07 this is solved. However, the cassette has to be reinitialized with PRID 1.1.07.

5 Solved Problems from PRID 1.1.02 to PRID 1.1.10

If you upgrade from PRID 1.1.02 to PRID 1.1.10, the following problems have been solved in addition to the ones mentioned in point 3 and 4.

- Sometimes there have been some problems if you left the Preview&Identification application in Windows NT. This is solved now.
- Auto detection of cassette stops working after a while. This is solved now.
- Leading and/or trailing spaces are automatically removed from the fields "Radiologist" - "Examination" - "Sub examination". Leading and/or trailing spaces resulted in that some “Sub examination” have not been displayed in the Identification screen. This is solved now.

- RISlink
  There are existing three versions of the RIS data file

  Version0 or V0: Used in ADC70-ID-Stations
  Version1 or V1: Used in PRID 1.1.02
  Version2 or V2: Latest version

  The version number has to be in the RIS data file in the field 0019,1001. If the field 0019,1001 does not exist in the RIS data file, PRID 1.1.05 assumes version 0.

  PRID 1.1.02 did not check the version field 0019,1001 at all. It always assumed version 1. This could have caused problems if the RIS data files were sent to PRID 1.1.02 with the format of version 0 (i.e. ADC70 ID-Station format) or version 2.
  PRID 1.1.05 checks the contents of version field 0019,1001 and interprets the entries accordingly. If no version field is found in the RIS data file, PRID 1.1.05 assumes version 0.

  RIS data files accepted by the old ADC70 ID-Station are regarded as version 0 files, because the field 0019,1001 does not exist in there.

  For information about the format of the RIS data file please see the RISlink toolkit user manual.

6 What's new from PRID 1.1.07 to PRID 1.1.10

- The column according which the DICOM worklist should be sorted can be configured now.
- It is configurable know if the RIS system is contacted after every cassette insertion or just after the first time or on demand. This is done by means of the RIS settings dialog.
- RIS-setting dialog is expanded for an option to select whether the RIS should be called for each cassette in "Study/Link" mode or not. It can be selected by means of the option "`When running multiple mode`".
- Time zone settings from NT / Win95 / Win98 are used. Therefore it has completely been removed from the PRID-software. Thus Daylight Saving Time is handled according to the operating system used.
- Ftp-Server and NetMeeting are delivered on the PRID-CD now.
- In the DICOM worklist a "hide/unhide" button is introduced to show or hide the already selected patients from the worklist.
- A "Delete all" button is introduced in the patient list.
- In the RIS settings dialog the version of the patient data file can explicitly be chosen. This will then override the version in the data file.

7 What's new from PRID 1.1.05 to PRID 1.1.10

If you upgrade from PRID 1.1.02 to PRID 1.1.10 the following new functions are available in addition to the ones mentioned in point 6.

- New license management has been introduced in PRID 1.1.07. Licenses on the Preview&Identification application are not switched on any more by service, but by the system manager. Use only the license number of PRID 1.1.07. Others won't work.
  Four options are available now:
  - ADCC ID Software
  - ADCC Preview SW
  - ADCC RISLink Toolkit SW
  - ADCC Auto-routing SW

  The license numbers for the "ADCC ID Software" and "ADCC Preview Software" have to be entered during fresh installation or during upgrade.

The numbers for “ADCC RISLink Toolkit SW” and “ADCC Auto-routing SW” have to be edited in the new license manager.

- RIS function has been enlarged by two new modes of working.
  - “DICOM” mode Supports retrieval of DICOM worklist from the MITRA PACS Broker. However PRID 1.1.07 queries the PACS Broker only for the modality “CR”. Based on that the DICOM worklist is build. No other criteria (e.g. status of an examination in the PACS Broker) is queried for. In addition no alphabetical ordering is possible. Refer to new RISLink Toolkit User Manual for more information as well.
  - “Accession” Retrieves patient information from the MITRA PACS Broker by means of the accession number (= RIS–ID). Refer to new RISLink Toolkit User Manual for more information as well.
- GUI-tool (Graphical User Interface Design tool to customize Identification screen).
  - The GUI-tool has got an “Update”-button now. This allows to update the ID-screen template whenever you like. In PRID 1.1.05 every change was updated right away, which made the configuration very slow.
  - “Save” button is changed to “Apply” button.
  - “Menu font size” can be set now as well. This applies for the labels of the drop down menus and for the menu options themselves.
- Drop down menu options have been adapted to functionality of PRID 1.1.07

  Options removed from the Identification application:

  <u>Configuration – System Manager</u>
  - screensaver

  <u>Configuration – Service</u>
  - RISLink option covered by new license manager
  - Auto-routing option covered by new license manager
  - Full leg/spine option license moved to DIPS
  - Study option no license anymore

  Options added to the Identification application:

  <u>Configuration – Operator</u>
  - Always to front ID is always in front
  - Hold Status works together with RISLink now

  <u>Configuration – System Manager</u>
  - License ... New license management

  <u>Configuration – Service</u>
  - Site Info Allows to view/edit Site Info, edited during the SW installation
  - Reset Counters Reset Infocounters
- Infocounters are created now for Preview&Identification activities. The counters are stored in the file “C:\prid\log\counter.txt.
- “Info” under option “Help” is supported now. Please refer to the User Manual for an example.

8 What's new from PRID 1.1.02 to PRID 1.1.10

If you upgrade from PRID 1.1.02 to PRID 1.1.10 the following new functions are available in addition to the ones mentioned in point 6 and 7.

- The Preview&Identification application asks for confirmation if you want exit it.
- The Preview&Identification application cannot be started twice anymore.
- The patient list is automatically sorted now.
- In the patient list a patient can be selected by entering the first character of the name.
- If the Identification window is minimized and a cassette is inserted into the Identification tablet, the warning "`Please maximize ID station window`" is displayed.
- In the “Study” mode with activated “HOLD” function the customer has to press the “Proceed” button on the Preview station only on one image of the series. With PRID 1.1.02 every image of the series had to be "proceeded" seperately.
- The "Patient read" in the Identification screen is inactive now.
- The “ADCC Link SW” (two images on one film) does not require a license number anymore.
- In the cassette initialization menu the 35" x 43" cassette with 21" x 43" scan size can only be configured with high resolution.
- The “Time Host” feature (System Manager time host feature) has been introduced. This allows to select a host in the ADC cluster from where the time is retrieved. The path for the time host has to be set via the CCM tool. At the moment only the Preview&Identification software and the Processing Station support this feature, but not the ADC Compact Digitizer.
- The “Cpf Host” feature (System Manager cpf host feature) has been introduced. This allows to select a host in the ADC cluster from where the configuration file “adc.cpf” is retrieved during startup. The path for the cpf host has to be set via the CCM tool. At the moment only the Preview&Identification software and the Processing Station support this feature but not the ADC Compact Digitizer. As the “adc.cpf” file must be equal in the complete ADC cluster, please do not switch on this feature until it is implemented in the ADC Compact Digitizer as well.
- The file “adc32.exe” is included in the PRID 1.1.05 now. This file is necessary to work with the MITRA PACS broker and to do a query by accession number.
- The “GUI configuration” tool (GUI = Graphical User Interface) has been introduced. This allows to configure the Identification screen of the Preview&Identification Station. Before, you had to edit the file “layout.ini” manually.
- From the “Study UID” leading zeros are removed now.
- Driver for a buzzer implemented. A buzzer will be introduced in the Identification tablet soon.
- Test function for the sound devices implemented.
- Film layout determination in function of cassette.
- Installation procedure for language files implemented (Service Install languages).
- A new identifier for the “Proceed/Cancel” function on the Preview software has been introduced. A complete study can be “proceeded” by just pressing the “Proceed” button on one preview image. The Processing Station knows which images belong to a certain study and sends the rest of the images in that study to their predefined destinations as well (supported from VIPS.1.0.05 or higher on).

9 Known Bugs not solved yet (PRID 1.1.10)

- If no data is entered in the birth date field in the ID-screen it will default to 01-01-0001.
- It is not possible to install the languages if only the Preview application is running.
- When the ID-screen has been minimized and only the Preview screen is on, and than you activate the function "Show ID station" , the ID-screen doesn't pop-up to the front (also no warning) anymore. You have to restart the application.
- Deleting logfiles from the service menu is not possible. If necessary this has to be done via NT-Explorer.
- Accession number from patient list is not transferred into the ID-Screen.
- License numbers are not kept over an upgrade to PRID1110. They have to be re-entered during / after installation.
- The history list is not refreshed right away if an item is deleted.
- Logfiles cannot be deleted from the Service Menu of the ID-application. If necessary this has to be done via NT-Explorer.
- The version of the DICOM library is not visible in the Help menu.
- When receiving images, the license window is minimized and is not accessible anymore. Before you license any option make sure that nobody is sending images to that PRID-Station.